



Product: [9641](#)

IEEE-488, #26-6pr+10c, #24-1c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-488 Cable, 26 AWG stranded (7x34) and 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% Coverage) + Tinned copper braid shield (90% Coverage), drain wire, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	IEEE 488 interface; computer communications; low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; panel wiring
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Pairs
26	7x34	TC - Tinned Copper		6
26	7x34	TC - Tinned Copper	10	
24	7x32	TC - Tinned Copper	1	

Conductor Count:	23
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Insulation

Material
S-R PVC - Semi-Rigid Polyvinyl Chloride

Color Chart

Number	Color
1 26AWG Pair	Blue & White/Gray
2 26AWG Pair	Purple & White/Black/Brown
3 26AWG Pair	Gray & White/Black/Red
4 26AWG Pair	White & White/Black/Orange
5 26AWG Pair	White/Black & White/Black/Yellow
6 26AWG Pair	White/Brown & White/Black/Green
7 26AWG Conductor	Brown
8 26AWG Conductor	Red
9 26AWG Conductor	Orange
10 26AWG Conductor	Yellow
11 26AWG Conductor	Lt. Green
12 26AWG Conductor	White/Orange
13 26AWG Conductor	White/Yellow
14 26AWG Conductor	White/Green
15 26AWG Conductor	White/Blue
16 26AWG Conductor	White/Purple
17 24AWG Conductor	White/Black/Blue

Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	100 %	TC - Tinned Copper	26	7x34
Braid	TC - Tinned Copper	90 %			

Outer Jacket Material

Material	Nominal Diameter	Separator Material
PVC - Polyvinyl Chloride	0.35 in	Polyester Tape

Electrical Characteristics

Conductor DCR

Element	Nominal Conductor DCR	Nominal Outer Shield DCR
24 AWG	23.3 Ohm/1000ft	2.6 Ohm/1000ft
26 AWG	37.3 Ohm/1000ft	

Current

Max. Recommended Current [A]
0.6 (26 AWG) Amps per conductor @ 25°C A
1.1 Amps per conductor @ 25°C (24 AWG)

Voltage

UL Voltage Rating
300 V RMS (UL AWM Style 2464)

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-20°C To +80°C

Mechanical Characteristics

Bulk Cable Weight:	71 lbs/1000ft
Max Recommended Pulling Tension:	140 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464 (300 V 80°C)
CSA AWM Specification:	AWM I A
IEEE Specification:	488

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

C(UL) Flammability:	FT4
UL voltage rating:	300 V RMS (UL AWM Style 2464)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
9641 0081000	Gray	Reel	1,000 ft	612825256861

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:

Revision Number: 0.293 Revision Date: 04-28-2020

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